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Models of natural computation : gene assembly and membrane systems

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Curriculum Vitae

Robert Brijder is geboren in Delft op 5 november 1980. Van 1993 tot 1999 doorliep hij het atheneum (VWO) op het Zandeveld College (ISW) te 's-Gravenzande. In september 1999 begon hij de studie Wiskunde aan de Universiteit Leiden. Na het afleggen van het propedeutisch examen Wiskunde, begon hij in september 2000 aan de studie Informatica aan diezelfde universiteit. In 2001 legde hij het dubbel propedeutisch examen Wiskunde-Informatica af, en in 2003 deed hij een half-jarige stage bij Philips Medical Systems. In april 2004 slaagde hij cum laude voor het doctoraalexamen Informatica met afstudeerrichting Theoretische Informatica. Vanaf september 2004 was hij verbonden aan het Leiden Institute of Advanced Computer Science waar hij zijn promotieonderzoek uitvoerde in het kader van NWO project "VIEWS" en betrokken was bij onderwijs.

Publication List

Patents

- [1] *High angular resolution diffusion weighted MRI*.
Inventors: F.G.C. Hoogenraad, R.F.J. Holthuisen, and R. Brijder.
International patent number WO2005076030,
also EP1714164, and CN1918481 (2005).

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- [1] F. Bernardini, R. Brijder, G. Rozenberg, and C. Zandron. Multiset-based self-assembly of graphs. *Fundamenta Informaticae*, 75(1-4):49–75, 2007.
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- [4] R. Brijder and H.J. Hoogeboom. Combining overlap and containment for gene assembly in ciliates. Submitted, 2008.
- [5] R. Brijder and H.J. Hoogeboom. The fibers and range of reduction graphs in ciliates. *Acta Informatica*, 45:383–402, 2008.
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- [4] R. Brijder and H.J. Hoogeboom. Characterizing reduction graphs for gene assembly in ciliates. In T. Harju, J. Karhumäki, and A. Lepistö, editors, *Developments in Language Theory (DLT) 2007*, volume 4588 of *Lecture Notes in Computer Science*, pages 120–131. Springer, 2007.
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